

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

3rd November 1879, No. 2,748 W.

Buildings and Roads.
Civil Works.

Read again G.O., No. 1,969-A W., dated 28th July 1879.

Read also—

No. 1. From Captain Baird, R.E., dated 30th September 1879, No. T 58-186.

No. 1-A. From the General Superintendent, Public Works Stores, dated 19th September 1879, No. 2,500 W.

No. 1-B. Do. do. do. dated 27th September 1879, No. 2,609 W.

No. 1-C. Do. do. do. dated 10th October 1879, No. 2,843 W.

No. 1-D. From the Master Attendant, through Marine Department, dated 1st October 1879, No. 7,390.

No. 2. ORDER THEREON, 3rd November 1879, No. 2,748 W.

By the Government Order read above an estimate of Rs. 345 was sanctioned for the re-erection of the self-registering tide gauge under the T end of the Madras Pier, the arrangements for working it on shore as devised under Captain Baird's supervision having failed, the cost to be defrayed from Port Funds.

2. Before any action was taken on this order it was suggested by Captain Baird, R.E., the officer in charge of the tidal observations, that the gauge might be more conveniently worked on shore by means of a long siphon of 1" pipe.

3. Certain experiments made at the Public Works Workshops by Captain Baird, in communication with the General Superintendent, having shown promise of success, His Grace the Governor authorised the working of the gauge in that manner as proposed by Captain Baird. A sum of Rs. 230 has been thus expended, out of the grant of Rs. 345, and also Rs. 50 ~~has~~ by the Marine Department on the alteration of the clock belonging to the recording apparatus, and Rs. 47 on certain experiments with a 3" vertical pipe.

4. After a thorough and careful trial it has been found that the apparatus cannot be properly worked by means of the siphon and the scheme has been abandoned. Captain Baird now submits a plan for working the apparatus by means of a vertical pipe 7" in diameter fixed under the middle of the pier, in a manner very similar to that adopted in the experiments by the Marine Department referred to in the preceding paragraph.

5. The cost of this design if carried out by the Public Works Department is estimated by the General Superintendent, Public Works Stores and Workshops, at Rs. 219 in addition to Rs. 327 already expended, but both that officer and the Master Attendant consider that it can be done more cheaply by the Marine Department, the latter undertaking to complete it for a sum of Rs. 120 in addition to the original grant of Rs. 345, or for an expenditure of Rs. 138 in addition to that already incurred.

6. His Grace the Governor in Council concurs in this view and sanctions Captain Baird's design, with the modifications suggested in Lieutenant Baddeley's letter No. 2,843 W., of the 10th instant, for execution by the Master Attendant.

7. Orders will be passed in the Marine Department appropriating from Port Funds the sum of Rs. 120 in addition to the original grant of Rs. 345.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Marine Department.
„ the General Superintendent, Public Works Stores and Workshops.
„ Captain Baird, R.E.
„ the Examiner of Public Works Accounts.

*Order in the Marine Dept^{ts} 11 Dec^r
1879*

No 635

*The appropriation of Rs 120 one
hundred and twenty from Port Funds is
sanctioned.*

(True Extract)

*Master
Atty. Chief Secy.*

Exd. C. Howarth.
Spare Copies

To The Public Works Dept^{ts}

200079



BUILDINGS AND ROADS.
CIVIL WORKS.

P. W. P. December
Govt. of (1879) Madras.

PUBLIC WORKS.

To

THE MARINE DEPARTMENT,

&c. &c. &c.

Dated November 3rd.

Issued

Recd.

G. O., 3rd November 1879, No. 2748 W.

NOVEMBER.

Nos. 1-2.

No. 3091 Waf 4th Dec/79

Tide Gauge under the T end of the
Pier.—Sanctions, for execution by
Master Attendant, Captain Baird,
for working the —, the additional
be provided for by the Marine Department
from Port Funds.

Recorded
S. W.

Que
2.12

11-78